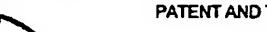


|   |   |   |
|---|---|---|
|  <p><b>U.S. DEPARTMENT OF COMMERCE<br/>PATENT AND TRADEMARK OFFICE</b></p> <p><b>INFORMATION DISCLOSURE STATEMENT<br/>BY APPLICANT</b></p> <p><b>(USE SEVERAL SHEETS IF NECESSARY)</b></p> | <p><b>ATTY. DOCKET NO.</b><br/><b>LEELEB2.001C1</b></p> <p><b>APPLICANT</b><br/><b>Kim, et al.</b></p> <p><b>FILING DATE</b><br/><b>July 10, 2003</b></p> | <p><b>APPLICATION NO.</b><br/><b>10/618,447</b></p> <p><b>GROUP</b><br/><b>3738</b></p> |
|---|---|---|

## **U.S. PATENT DOCUMENTS**

| EXAMINER<br>INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE<br>(IF APPROPRIATE) |
|---------------------|-----------------|------|------|-------|----------|---------------------------------|
|                     |                 |      |      |       |          |                                 |
|                     |                 |      |      |       |          |                                 |
|                     |                 |      |      |       |          |                                 |

| EXAMINER<br>INITIAL | OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)   |
|---------------------|--|
| TU                  | Solchaga, et al., "Hyaluronic Acid-Based Polymers as Cell Carriers for Tissue-Engineered Repair of Bone and Cartilage", Journal of Orthopaedic Research, March 1999, pp. 205-213 |
| TU                  | Galassi, et al., "In vitro reconstructed dermis implanted in human wounds: degradation studies of the HA-based supporting scaffold", Biomaterials 21, 2000, pp. 2183-2191.       |
|                     |  |
|                     |  |
|                     |  |
|                     |  |
|                     |  |
|                     |  |
|                     |  |
|                     |  |
|                     |  |
|                     |  |
|                     |  |
|                     |  |
|                     |  |
|                     |  |
|                     |  |
|                     |  |
|                     |  |
|                     |  |
|                     |  |
|                     |  |

S:\DOCS\MC\MC-8774.DOC  
030104

|          |                   |                 |            |
|----------|-------------------|-----------------|------------|
| EXAMINER | /Thane Underdahl/ | DATE CONSIDERED | 12/05/2006 |
|----------|-------------------|-----------------|------------|

\*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

|  |                                   |                               |
|--|-----------------------------------|-------------------------------|
|  <p>U.S. DEPARTMENT OF COMMERCE<br/>PATENT AND TRADEMARK OFFICE</p> <p>INFORMATION DISCLOSURE STATEMENT<br/>BY APPLICANT</p> <p>(USE SEVERAL SHEETS IF NECESSARY)</p> | ATTY. DOCKET NO.<br>LEELE82.001C1 | APPLICATION NO.<br>10/618,447 |
|  | APPLICANT<br>Kim, et al.          |                               |
|  | FILING DATE<br>July 10, 2003      | GROUP<br>3738                 |

**U.S. PATENT DOCUMENTS**

| EXAMINER INITIAL | DOCUMENT NUMBER | DATE        | NAME                   | CLASS | SUBCLASS | FILING DATE (IF APPROPRIATE) |
|------------------|-----------------|-------------|------------------------|-------|----------|------------------------------|
| TU               | 5,336,616       | Aug. 9, 94  | Livesey <i>et al.</i>  |       |          |                              |
| TU               | 5,993,844       | Nov. 30, 99 | Abraham, <i>et al.</i> |       |          |                              |
|                  |                 |             |                        |       |          |                              |

**EXAMINER  
INITIAL**

**OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)**

S:\DOCS\WCKWCK-8660.DOC  
021104

|          |                   |                 |            |
|----------|-------------------|-----------------|------------|
| EXAMINER | /Thane Underdahl/ | DATE CONSIDERED | 12/05/2006 |
|----------|-------------------|-----------------|------------|

\*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

|   |  |                                  |                               |
|---|--|----------------------------------|-------------------------------|
| FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE<br>PATENT AND TRADEMARK OFFICE                  |  | ATTY. DOCKET NO.<br>LEEE82.001C1 | APPLICATION NO.<br>10/618,447 |
| INFORMATION DISCLOSURE STATEMENT<br>BY APPLICANT<br><br>(USE SEVERAL SHEETS IF NECESSARY) |  | APPLICANT<br>Kim, et al.         |                               |
|   |  | FILING DATE<br>July 10, 2003     | GROUP<br>3738                 |

**U.S. PATENT DOCUMENTS**

| EXAMINER INITIAL | DOCUMENT NUMBER | DATE     | NAME                | CLASS | SUBCLASS | FILING DATE (IF APPROPRIATE) |
|------------------|-----------------|----------|---------------------|-------|----------|------------------------------|
| TU               | 1. 4,713,448    | 12/15/87 | Balazs, et al.      | _____ | _____    |                              |
| TU               | 2. 4,851,521    | 07/25/89 | della Valle, et al. | _____ | _____    |                              |
| TU               | 3. 4,801,475    | 01/31/89 | Halpern et al.      | _____ | _____    |                              |

| EXAMINER INITIAL | OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.) |   |
|------------------|--|---|
| TU               | 4.   | Sy Griffey et al., Particulate Dermal Matrix as in Injectable Soft Tissue Replacement Material, J. Biomed. Mater. Res. (Appl. Biomater.), 58:10-15 (2001) (online November, 21, 2000)                                 |
| TU               | 5.   | Ari Helenius and Kai Simons, Solubilization of Membranes by Detergents, Biochimica et Biophysica Acta, 415:29-79 (1975)   |
| TU               | 6.   | Jeffrey S. Cartmell and Michael G. Dunn, Effect of Chemical Treatments on Tendon Cellularity and Mechanical Properties, J. Biomed. Master. Res., 49:134-140(2000)   |
| TU               | 7.   | Roger Tu et al., Fixation of Bioprosthetic Tissues with Monofunctional and Multifunctional Polyepoxy Compounds, J. Biomed. Mater. Res., 28:981-992 (1994)   |
| TU               | 8.   | J. Michael Lee et al., Effect of Molecular Structure of Poly (glycidyl ether) Reagents on Crosslinking and Mechanical Properties of Bovine Pericardial Xenograft Materials, J. Biomed. Mater. Res., 28:981-992 (1994) |
| TU               | 9.   | R. Berruet et al., Mechanical Properties and Biocomparability of Two Polyepoxy Matrices: DGEBA-DDM and DGEBA-IPD, Biomaterials, 8:162-171 (1987)  |
| TU               | 10.  | Christine E. Schmidt and Jennie M. Baier, Acellular Vascular Tissues: Natural Biomaterials for Tissue Repair and Tissue Engineering, Biomaterials, 21:2215-2231 (2000)  |
| TU               | 11.  | A. Jayakrishnan and S.R. Jameela, Glutaraldehyde as a Fixative in Bioprostheses and Drug Delivery Matrices, Biomaterials, 17 (5):471-484 (1996)   |
| TU               | 12.  | Christopher A. Pereira et al., Effect of Alternative Crosslinking Methods on the Low Strain Rate Viscoelastic Properties of Bovine Pericardial Bioprosthetic Material, J. Biomed. Mater. Res., 24:345-361 (1990)      |
| TU               | 13.  | R. Tu et al., Kinetic Study of Collagen Fixation with Polyepoxy Fixatives, J. Biomed. Mater. Res., 27:3-9 (1993)  |
| TU               | 14.  | Shih-Hwa Shen et al., Characterization of a Polyepoxy Compound Fixed Porcine Heart Valve Bioprosthesis, J. Biomed. Mater. Res., 5:159-162 (1994)  |
| TU               | 15.  | Hsing-Wen Sung and Jeng-Shiuan Shih, Biological Materials Fixed with an Epoxy Compound: Comparison of the Effects with or without Ionically Bound Heparin, J. Biomed. Mater. Res., 6:185-190 (1995)                   |
| TU               | 16.  | Toshia Fujisato et al., Cross-linking of Amniotic Membranes, J. Biomater. Sci. Polymer Ed., 10 (11): 1171-1181 (1999)   |
| TU               | 17.  | R. Tu et al., A Preliminary Study of the Fixation Mechanism of Collagen Reaction with a Polyepoxy Fixative, Biomaterials, 16 (7):537-544 (1993)   |
| TU               | 18.  | E. Wang et al., Evaluation of Collagen Modification and Surface Properties of a Bovine Artery via Polyepoxy Compound Fixation, Biomaterials, 16(7):530-536 (1993)   |
| TU               | 19.  | Jeffrey M. Lohre et al., Evaluation of Two Epoxy Ether Compounds for Biocompatible Potential, Artif. Organs, 16 (6): 630-633 (1992)   |

|  |                               |
|--|-------------------------------|
| EXAMINER<br><i>/Thane Underdahl/</i>   | DATE CONSIDERED<br>12/05/2006 |
| *EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT. |                               |

|  |                                   |                               |
|--|-----------------------------------|-------------------------------|
| FORM PTO-1449<br><br>U.S. DEPARTMENT OF COMMERCE<br>PATENT AND TRADEMARK OFFICE<br><br>INFORMATION DISCLOSURE STATEMENT<br>BY APPLICANT<br><br>(USE SEVERAL SHEETS IF NECESSARY) | ATTY. DOCKET NO.<br>LEELE82.001C1 | APPLICATION NO.<br>10/618,447 |
|  | APPLICANT<br>Kim, et al.          |                               |
|  | FILING DATE<br>July 10, 2003      | GROUP<br>3738                 |

| EXAMINER INITIAL | OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.) |  |
|------------------|--|--|
| TU               | 20.  | D. Quteish et al., Development and testing of a Human Collagen Graft-Material, J. Biomed. Mater. Res., 24:749-760 (1990)                                   |
| TU               | 21.  | Hwal Suh and Jong-Eun Lee, Behavior of Fibroblasts on a Porous Hyaluronic Acid Incorporated Collagen Matrix, Yonsei Medical Journal, 43 (2):193-202 (2002) |
| TU               | 22.  | Mette Meinert et al., Proteoglycans and Hyaluronan in Human Fetal Membranes, Am. J. Obstet. Gynecol., 184:679-685(2001)                                    |
| TU               | 23.  | Davide Campoccia et al., Semisynthetic Resorbable Materials from Hyaluronan Esterification, Biomaterials, 19: 2101-2127 (1998)                             |

S:\DOCS\WCK\WCK-8218.DOC  
112003

|  |                   |                 |            |
|--|-------------------|-----------------|------------|
| EXAMINER   | /Thane Underdahl/ | DATE CONSIDERED | 12/05/2006 |
| *EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT. |                   |                 |            |